

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: HOFFMANN-7

In re Application of:	)	
THILO HOFFMANN & ANDREAS JÖCKEL	)	
Appl. No.: 10/596,030	)	
Int. Filing Date: November 22, 2004	)	Confirmation No.: 1861
For: ELECTRIC MACHINE	)	

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the instant specification, in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP04/053036 and in a German Office Action issued by the German Patent Office with regard to the corresponding German patent application No. 103 55 267.7, respectively. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

Copies of these references are submitted herewith along with form PTO-1449. Please note that the publication date of all references is listed as "DD-MM-YYYY". The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.
- ☒ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.
- ☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.
- ☐ The undersigned submits the following statement requesting consideration of this statement:  
The undersigned hereby states:  
☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.
- ☐ The fee of \$180.00 set forth in 1.17(p).
- ☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

German Patent No. DE 1 186 547 discloses a single-phase induction motor with squirrel-cage rotor and a stator flattened in symmetry to a center line. The stator has wide slots in the flattened stator zones for the secondary coil and elongated radial slots in stator zones that are not flattened for accepting the primary and secondary coils. Each flattened zone (E) of the stator is disposed between two wide slots (4e, 4f) which project into the flattened stator zone (E) (cf. Fig.)

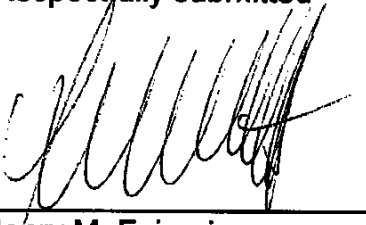
German Patent No. DE 920 739 discloses a single-phase split-field motor with twelve slots. The winding is realized by several short-circuit frames punched out from an aluminum or metal sheet or soldered or welded from a copper band.

German Patent No. DE 911 759 discloses a single-phase split-field motor with incorporated field coils without winding head surrounded by iron

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By:   
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Agent for Applicant  
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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**Complete If Known**

Application Number	10/596,030
Filing Date	
First Named Inventor	Thilo HOFFMANN
Art Unit	
Examiner Name	
Attorney Docket Number	HOFFMANN-7

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4 864 177	05.09.1989	Tai-Her Yang (Inventor)	
		US-3 783 318	01.01.1974	Marathon Electric	
		US-2002/117926	29.08.2002	Hitachi, Ltd.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		DE 11 86 547	23.09.1965	Olympia Werke AG		
		DE 920 739	29.11.1954	Wilhelm Tacke		
		DE 911 759	20.05.1954	Wilhelm Tacke		
		EP 0 509 635	21.10.1992	Hitachi, Ltd.		
		JP 2002 064949	28.02.2002	Aichi Emerson Electric		
		CH 433 503	15.04.1967	F.lli Biglino Soc. Nome coll. Genua		
		WO 00/62400	19.10.2000	Motor Power Company		
		DE 11 70 522	21.05.1964	MEZ Vsetin		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/053036

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02K1/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 509 635 A (HITACHI, LTD; JAPAN SERVO CO. LTD) 21 October 1992 (1992-10-21)	1,2,4
Y	column 5, line 56 - column 6, line 48; figures 1,2,4,6	1,6-11
Y	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06, 4 June 2002 (2002-06-04) & JP 2002 064949 A (AICHI EMERSON ELECTRIC CO LTD), 28 February 2002 (2002-02-28) abstract; figures 1,2,14,16	1,6,11
Y	US 2002/117926 A1 (JOONG KIM HOUNG ET AL) 29 August 2002 (2002-08-29) paragraph '0035! - paragraph '0039! paragraph '0105!; figures 1,20	7-10
A	----- -/-	4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the International search

18 February 2005

Date of mailing of the International search report

01/03/2005

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von Rauch, E

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/053036

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 433 503 A (F.LLI BIGLINO SOC. NOME COLL) 15 April 1967 (1967-04-15)	1-3,5,11
Y	column 3, line 12 - line 24; figures 1,2 column 1, line 34 - column 2, line 2	1-4,11
Y	WO 00/62400 A (MOTOR POWER COMPANY S.R.L; FELICI, LORENZO; ANCESCHI, STEFANO) 19 October 2000 (2000-10-19) page 4, line 22 - page 6, line 24; figures 1,2,4,5	1-4,11
A	DE 11 70 522 B (MEZ VSETIN, NARODNI PODNIK) 21 May 1964 (1964-05-21) column 1, line 1 - line 38; figure 2	6,7

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0509635	A	21-10-1992	JP 5189932 A	30-07-1993
			JP 2810250 B2	15-10-1998
			JP 4335282 A	24-11-1992
			DE 69216459 D1	20-02-1997
			DE 69216459 T2	31-07-1997
			EP 0509635 A2	21-10-1992
			KR 9606681 B1	22-05-1996
			US 5432644 A	11-07-1995
JP 2002064949	A	28-02-2002	NONE	
US 2002117926	A1	29-08-2002	JP 2002262488 A	13-09-2002
			CN 1373548 A	09-10-2002
			EP 1239570 A1	11-09-2002
CH 433503	A	15-04-1967	NONE	
WO 0062400	A	19-10-2000	IT RE990043 A1	09-10-2000
			AU 3323600 A	14-11-2000
			EP 1169765 A1	09-01-2002
			WO 0062400 A1	19-10-2000
DE 1170522	B	21-05-1964	NONE	